



REPLACEMENT CLAIMS

Please replace claim 1 with the following:

1. A substrate body-floating apparatus for blowing an air flow onto a rear surface of a disk-shaped substrate body to float and rotate the substrate body comprising:

a floating unit having a surface with a plurality of fine floating pores configured for floating the substrate body, a plurality of fine centering pores configured for centering the substrate body at a center of a substrate body-floating apparatus, a plurality of fine rotational pores configured for rotating the substrate body at a center of said apparatus, and a plurality of auxiliary fine suppression pores configured for suppressing vibration of the substrate body when the substrate body is rotated at a high speed, wherein all pore types of said fine floating pores, said fine centering pores, said fine rotational pores, and said auxiliary fine suppression pores are provided on a surface of said floating unit and are inclined against the surface of said floating unit, an air flow being injected into said all pore types in a direction of the inclination.

Please replace claim 3 with the following:

3. The substrate body-floating apparatus according to claim 1 wherein said plurality of fine floating pores configured for floating the substrate body crosses a rotation axis of the

5 substrate body, a surface of said floating unit being divided into
four quadrants, a plurality of said fine floating pores being
provided in each quadrant, each said fine floating pore within one
said quadrant having a same floating pore direction, said same
floating pore direction being parallel to a diagonal line of said
one said quadrant, said diagonal line being oriented to a center of
said floating unit.

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Please replace claim 4 with the following:

4. The substrate body-floating apparatus according to claim
1 wherein said plurality of fine centering pores configured for
centering are located one of at positions on an outer periphery of
the substrate body and on an outer side from the outer periphery,
5 each said fine centering pore being angularly displaced relative to
each adjacent said fine centering pore, said plurality of fine
centering pores each having a fine centering pore orientation
associated therewith, each said fine centering pore orientation
being directed toward a center of said floating unit.

10 **Please replace claim 5 with the following:**

5 5. The substrate body-floating apparatus according to claim
1 wherein said plurality of fine rotational pores are located at
positions on a circle with a radius smaller than the radius of the
substrate body and centered around a center of a surface of said
floating unit, said adjacent fine rotational pores being directed
away from one another in opposite tangential directions.

Please replace claim 6 with the following:

6. The substrate body-floating apparatus according to claim
1 where said plurality of auxiliary fine suppression pores each
have an auxiliary fine suppression pore orientation, each said
auxiliary fine suppression pore orientation being directed toward a
5 center of said floating unit, each said fine auxiliary pore being
located on a periphery of a circle extending beyond the position of
said plurality of fine rotational pores, said circle being
concentric with a center of said floating unit, said fine
suppression pore orientations of adjacent said auxiliary fine
10 suppression pores being angled at 90 degrees relative to one another
[therebetween].

Please replace claim 7 with the following:

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7. A substrate body-floating type of heater comprising:
a floating means for applying air to a rear surface of a
substrate body to float, rotate and suppress vibration to the
substrate body, said floating means including a plurality of
5 floatation pores, a plurality of rotational pores, and a plurality
of vibration suppression pores therein, said floatation pores, said
rotational pores, and said vibration suppression pores being
positioned and directed so as to promote one of floatation,
rotation, and vibration suppression, respectively, via air flow
10 control; and
an optical lamp for heating a surface of the substrate body.

Please replace claim 8 with the following:

8. A substrate body-floating type of film-forming apparatus comprising:

a floating means for applying gas to a rear surface of a substrate body to float, rotate and suppress vibration to the substrate body under atmospheric or under depressurized conditions for forming a film of deposited material on a surface of the substrate body, said floating means including a plurality of floatation pores, a plurality of rotational pores, and a plurality of vibration suppression pores therein, said floatation pores, said rotational pores, and said suppression pores each being positioned and directed so as to promote one of floatation, rotation, and vibration suppression, respectively, via air flow control.

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